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1 Mapping component specifications to Enterprise JavaBeans implementations
Yi Liu, H. Conrad Cunningham
April 2004 ACM-SE 42: Proceedings of the 42nd annual Southeast regional conference
Publisher: ACM
Full text available: 🔧 Pdf (377.36 KB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 71, Citation Count: 1

Component-based software development has become an important approach to building complex
software systems. Much research focuses on component specification to achieve the advantages
of the component-based approach in theory. Most of this research pays ...

Keywords: Enterprise JavaBeans, component software, design mapping

2 The development and application of Chinese intelligent question answering system based
on J2EE technology
Shouning Qu, Bing Zhang, Xinsheng Yu, Qin Wang
January 2008 e-Forensics '08: Proceedings of the 1st international conference on Forensic
                applications and techniques in telecommunications, information, and multimedia and
                workshop
Publisher: ICST (Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering)
Full text available: 🔧 Pdf (206.28 KB)   Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 20, Citation Count: 0

The current status of Chinese question answering system was introduced in the paper firstly,
some defects of it were pointed out, then a set of scheme about data warehouse design based on
data mining was put forward. It applied the improved association ...

3 Static analysis of role-based access control in J2EE applications
Gleb Naumovich, Paolina Centonze
September 2004 ACM SIGSOFT Software Engineering Notes, Volume 29 Issue 5
Publisher: ACM
Full text available: 🔧 Pdf (110.63 KB)   Additional Information: full citation, abstract, references, cited by

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 66, Citation Count: 4

This work describes a new technique for analysis of Java 2, Enterprise Edition (J2EE)
applications. In such applications, Enterprise Java Beans (EJBs) are commonly used to
encapsulate the core computations performed on Web servers. Access to EJBs is ...

4 J2EE server scalability through EJB replication

Sylvain Sicard, Noel De Palma, Daniel Hagimont

April 2006   SAC '06: Proceedings of the 2006 ACM symposium on Applied computing

Publisher: ACM

Full text available: Pdf (568.10 KB)   Additional Information: full citation, abstract, references, index terms

With the development of Internet-based business, Web applications are becoming increasingly complex. The J2EE specification aims at enabling the design of such web application servers. These servers have to ensure scalability and availability of the ...

Keywords: EJB, J2EE, partition, replication, scalability

5 mKernel: a manageable kernel for EJB-based systems

Jens Bruhn, Guido Wirtz

October 2007 Autonomics '07: Proceedings of the 1st international conference on Autonomic computing and communication systems

Publisher: ICST (Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering)

Full text available: Pdf (295.73 KB)   Additional Information: full citation, abstract, references

Due to the ever increasing complexity of todays Enterprise Applications (EA), component technology has become the major means to keep the development of such applications under control. Although container technology provides tools to deploy component-based ...

Keywords: EJB, enterprise applications, mKernel, management

6 User interface code generation for EJB-based data models using intermediate form representations

Branko Milosavljević, Milan Vidaković, Srdjan Komazec, Gordana Milosavljević

June 2003 PPPJ '03: Proceedings of the 2nd international conference on Principles and practice of programming in Java

Publisher: Computer Science Press, Inc.

Full text available: Pdf (133.64 KB)   Additional Information: full citation, abstract, references

The use of J2EE platform enables data model development based on EJB components. Data modeling concepts of EJB technology, although resembling those of relational databases, are different and need new methods for automated user interface code generation. ...

7 Finding a substrate for federated components on the web

John A. Miller, Andrew F. Seila, Junxiu Tao

December 2000 WSC '00: Proceedings of the 32nd conference on Winter simulation

Publisher: Society for Computer Simulation International

Full text available: Pdf (85.61 KB)   Additional Information: full citation, abstract, references

Recent developments in software component technology have renewed the promise of reusable software. Combining this with the possibilities of sharing simulation results and models using the Internet makes these new developments all the more important, ...

8 Application frameworks before system frameworks

Jon Hancock

January 2000 OOPSLA '00: Addendum to the 2000 proceedings of the conference on Object-

oriented programming, systems, languages, and applications (Addendum)
Publisher: ACM
Full text available: Pdf (43.82 KB)   Additional Information: full citation, abstract, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 20, Citation Count: 1

Application development with an end-to-end declarative Application Framework has shown the
following significant benefits: 80% error reduction, 40-80% code reduction, and predictable
development cycles by first time object/Java developers. These Application ...

Keywords: CORBA, EJB, Java, application frameworks, patterns

9 Component technologies: Java Beans, COM, CORBA, RMI, EJB and the CORBA
   Component Model
   Wolfgang Emmerich, Nima Kaveh
   September 2001 ACM SIGSOFT Software Engineering Notes, Volume 26 Issue 5
   Publisher: ACM
   Full text available: Pdf (68.35 KB)   Additional Information: full citation, abstract, references, cited by, index terms

   Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 101, Citation Count: 1

   This one-day tutorial is aimed at software engineering practitioners and researchers, who are
   familiar with object-oriented analysis, design and programming and want to obtain an overview
   of the technologies that are enabling component-based development. ...

10 Component technologies: Java Beans, COM, CORBA, RMI, EJB and the CORBA
   Component Model
   Wolfgang Emmerich, Nima Kaveh
   September 2001 ESEC/FSE-9: Proceedings of the 8th European software engineering conference
                  held jointly with 9th ACM SIGSOFT international symposium on Foundations of
                  software engineering
   Publisher: ACM
   Full text available: Pdf (68.35 KB)   Additional Information: full citation, abstract, references, cited by, index terms

   Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 101, Citation Count: 1

   This one-day tutorial is aimed at software engineering practitioners and researchers, who are
   familiar with object-oriented analysis, design and programming and want to obtain an overview
   of the technologies that are enabling component-based development. ...

11 SYNTHESIS: A Tool for Automatically Assembling Correct and Distributed Component-
   Based Systems
   Marco Autili, Paola Inverardi, Alfredo Navarra, Massimo Tivoli
   May 2007 ICSE '07: Proceedings of the 29th international conference on Software Engineering
   Publisher: IEEE Computer Society
   Full text available: Pdf (905.04 KB)   Additional Information: full citation, abstract, references, index terms

   Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 82, Citation Count: 3

   SYNTHESIS is a tool for automatically assembling correct and distributed component-based
   systems. In our context, a system is correct when it is deadlock-free and performs only specified
   component interactions. In order to automatically synthesize the ...

12 Analysis of object interaction during the enterprise javabeans lifecycle using formal
   specification technique
   Ji-Hyun Lee, Cheol-Jung Yoo, Ok-Bae Chang
   June 2002 ACM SIGPLAN Notices, Volume 37 Issue 6

Publisher: ACM

Full text available: Pdf (749.96 KB) Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 16, Citation Count: 0

Today's many software projects are based on integration of independently designed software components that are acquired on the market, rather than developed within the projects as a whole. Such a component-based development is an architectural design ...

13 Component technologies: Java beans, COM, CORBA, RMI, EJB and the CORBA component model
Wolfgang Emmerich, Nima Kaveh
May 2002 ICSE '02: Proceedings of the 24th International Conference on Software Engineering
Publisher: ACM

Full text available: Pdf (220.94 KB) Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 150, Citation Count: 1

This one-day tutorial is aimed at software engineering practitioners and researchers, who are familiar with object-oriented analysis, design and programming and want to obtain an overview of the technologies that are enabling component-based development. ...

14 Consistency management with repair actions
Christian Nentwich, Wolfgang Emmerich, Anthony Finkelstein
May 2003 ICSE '03: Proceedings of the 25th International Conference on Software Engineering
Publisher: IEEE Computer Society

Full text available: Publisher Site , Pdf (1.28 MB) Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 31, Citation Count: 12

Comprehensive consistency management requires a strong mechanism for repair once inconsistencies have been detected. In this paper we present a repair framework for inconsistent distributed documents. The core piece of the framework is a new method for ...

15 The COMQUAD component model: enabling dynamic selection of implementations by weaving non-functional aspects
Steffen Göbel, Christoph Pohl, Simone Röttger, Steffen Zschaler
March 2004 AOSD '04: Proceedings of the 3rd international conference on Aspect-oriented software development
Publisher: ACM

Full text available: Pdf (1.21 MB) Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 65, Citation Count: 7

The reliability of non-functional contracts is crucial for many software applications. This added to the increasing attention this issue lately received in software engineering. Another development in software engineering is toward component-based systems. ...

Keywords: AOSD, QoS, adaptivity, components, non-functional properties

16 Generating Product-Lines of Product-Families
Don Batory, Roberto E. Lopez-Herrejon, Jean-Philippe Martin
September 2002 ASE '02: Proceedings of the 17th IEEE international conference on Automated software engineering
Publisher: IEEE Computer Society

Full text available: Publisher Site Additional Information: full citation, abstract, cited by

GenVoca is a methodology and technology for generating product-lines, i.e. building variants of a program. The primitive components from which applications are constructed are refinements or layers, which are modules that implement a feature that many ...

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17 RoadMapAssembler: a new pattern-based J2EE development tool

Jun Chen, Steve MacDonald

October 2005 CASCON '05: Proceedings of the 2005 conference of the Centre for Advanced Studies on Collaborative research

Publisher: IBM Press

Full text available: 📄 Pdf (168.81 KB)   Additional Information: full citation, abstract, references, index terms

The quality of a J2EE web application depends on both the correctness of the code as well as the efficiency and flexibility of its architecture. Unfortunately, the design and development process is complex and includes tedious coding details, making ...

Keywords: deployment information, design patterns, development tool, frameworks, java 2 Enterprise Edition (Version 2.1), name space

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18 Saving the world from bad beans: deployment-time confinement checking

Dave Clarke, Michael Richmond, James Noble

October 2003 OOPSLA '03: Proceedings of the 18th annual ACM SIGPLAN conference on Object-oriented programing, systems, languages, and applications

Publisher: ACM

Full text available: 📄 Pdf (380.32 KB)   Additional Information: full citation, abstract, references, cited by, index terms

The Enterprise JavaBeans (EJB) framework requires developers to preserve architectural integrity constraints when writing EJB components. Breaking these constraints allows components to violate the transaction protocol, bypass security mechanisms, disable ...

Keywords: confinement, deployment tools, enterprise JavaBeans

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19 Saving the world from bad beans: deployment-time confinement checking

Dave Clarke, Michael Richmond, James Noble

November 2003 ACM SIGPLAN Notices, Volume 38 Issue 11

Publisher: ACM

Full text available: 📄 Pdf (380.32 KB)   Additional Information: full citation, abstract, references, cited by, index terms

The Enterprise JavaBeans (EJB) framework requires developers to preserve architectural integrity constraints when writing EJB components. Breaking these constraints allows components to violate the transaction protocol, bypass security mechanisms, disable ...

Keywords: confinement, deployment tools, enterprise JavaBeans

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20 Flexible consistency checking

Christian Nentwich, Wolfgang Emmerich, Anthony Finkelstein, Ernst Ellmer

January 2003 ACM Transactions on Software Engineering and Methodology (TOSEM), Volume 12 Issue 1

Publisher: ACM

Full text available: 📄 Pdf (1.94 MB)   Additional Information: full citation, abstract, references, cited by, index terms

The problem of managing the consistency of heterogeneous, distributed software engineering documents is central to the development of large and complex systems. We show how this problem can be addressed using xlinkit, a lightweight framework for consistency ...

Keywords: CASE tools, consistency management, constraint checking, multiple perspectives

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